

CLAIMS:

1. A method of accessing and/or recording data content in a storage device (280), including the steps of:
 - (a) arranging for the data content on a data storage medium (10) of the device to be a master file (MF) having an associated file name for identifying an address range for
 - 5 locating and subsequently accessing and/or recording said master file on the medium;
 - (b) arranging for the master file to include substantially within its address range at least one sub-file (SF1) having an associated file name for identifying an address range for locating and accessing and/or recording the sub-file on the medium; and
 - (c) at least one of reading data content from and writing data content to at least
 - 10 one of the master file and the at least one sub-file using their associated file names.
2. A method according to claim 1, wherein there is a plurality of sub-files (SF1-2) arranged to be mutually non-overlapping.
- 15 3. A method according to claim 1, wherein there is a plurality of sub-files (SF1-6) of which a sub-set thereof is arranged to be mutually overlapping.
4. A method according to claim 1, wherein at least a sub-set of the at least one sub-file is in encrypted form.
- 20 5. A method according to claim 4, wherein the device is operable to access in sequence the sub-set of the at least one sub-file in encrypted form using corresponding decryption access keys.
- 25 6. A method according to claim 5, wherein the decryption keys are provided to the device from data serving means via at least one authenticated communication channel.

7. A method according to claim 6, wherein the at least one authenticated communication channel is established between the device and said one or more remote data servers (140) using private-public key encryption.
- 5 8. A method according to claim 6, wherein the storage device is operable to establish said at least one authenticated channel with said data serving means for obtaining one or more decryption keys.
9. A method according to claim 5, wherein the device is arranged to destroy said
10 at least one of the decryption keys received at the device after at least one of:
- (a) a pre-determined time duration after receipt of the at least one key at the device; and
- (b) substantially immediately after its corresponding sub-file has been decrypted within the device for executing thereof.
- 15 10. A method according to claim 1, wherein the data storage medium is arranged to be detachable from the storage device.
11. A method according to claim 10, wherein the storage medium is a miniature
20 optical data storage disc, more preferably a SFFO disc.
12. A method according to claim 1, wherein the data content is arranged to correspond to executable software code included within the master file, wherein the sub-files correspond to user-selectable options.
- 25 13. A method according to claim 12, wherein those sub-files included within the master file which are encrypted correspond to user-selectable software options accessible for execution to response to user-payment.
- 30 14. A method according to claim 1, wherein the storage device is included as a part of a mobile telephone apparatus (110) couplable to a communication network.

15. A method according to claim 14, wherein the data content stored in the master file of the storage device is at least one of pre-recorded onto the storage medium and downloaded from said communication network.

- 5 16. A data storage device, including a data storage medium (10) arranged to bear data content thereon as a master file (MF) having an associated file name for identifying an address range for locating and subsequently accessing and/or recording said master file on the medium, the master file including substantially within its address range at least one sub-file having an associated file name for identifying an address range for locating and accessing
10 and/or recording the sub-file (SF1-SF6) on the medium, the device being arranged such that at least one of reading data content from and writing data content to at least one of the master file and the at least one sub-file is facilitated by using their associated file names.